

IV. Technology Inventory Summary

One of the initial efforts of the strategic planning process included conducting an inventory of the existing technologies in place throughout the County. This information was gathered via an electronic survey that was distributed to the TMB members. Information was collected in seven categories as follows:

- Network Infrastructure
- Operating Systems
- Software/Applications
- Backup Processes
- Internet
- Staffing
- Telephony

Agencies participating in this process included:

- | | | |
|--|--|---|
| • Department of Assessments | • Sheriff's Office | • DOT – Metro Transit |
| • District Court | • Department of Development and Environmental Services | • Department of Public Health |
| • Council | • King County Executive – OHRM and OCR | • DOT – Fleet Administration |
| • Department of Natural Resources | • Office of the Prosecuting Attorney | • Superior Court |
| • Department of Judicial Administration | • DOT – Road Services | • International Airport |
| • Finance | | • Department of Information and Administrative Services |
| • DCHS – Office of Public Defense | | |
| • Department of Adult and Juvenile Detention | | |



Technology Inventory Summary

Agency Name	Department of Assessments	KC District Court	KC Council	Department of Natural Resources and Parks	Department of Judicial Administration
Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
TECHNOLOGY INVENTORY					
I. Network Infrastructure					
A. Network Overview					
<u>Summary</u>					
1. Indicate which network type(s) are in place at your agency					
Client server	Yes	No	Yes	Yes	Yes
Peer to peer	No	Yes	No	Yes	Yes
Other	No	No	No	Yes	No
If other, please specify.				Intranet	
2. What network protocols are in place?	TCP IP	TCP/IP	IP	TCP/IP IPX DECNET Appletalk	IP
3. What network topologies are used?					
Ethernet	Yes	Yes	Yes	Yes	Yes
Token ring	No	No	No	No	No
Other	No	No	No	No	No
If other, please specify.					
4. What network operating systems does your agency use?	Windows NT	Servers: Microsoft NT 4.0 domain controllers Microsoft Windows 2000 Server member servers	Windows NT 4.0, Windows 2000	Windows NT 4 Windows 2000 Novell NetWare Unix	NT 4.0
B. Cabling					
1. Does your agency use a mix of cable types?	No	No	No	Yes	Yes
2. Is a cable upgrade needed?	No	Yes	No	Yes	No
Describe.		Cat 5 cabling went in prior to joining the WAN.		Need to upgrade from coax to cat5e at some small remote sites	
<u>Detail</u>					
1. Indicate what percent of cabling used to support your network falls into each of the following categories:					
CAT 4			100		
CAT 5 or 5e	100			88	
CAT 6				10	
Fiber optic				2	



Agency Name	Department of Assessments	KC District Court	KC Council	Department of Natural Resources and Parks	Department of Judicial Administration
Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
2. Are any systems certified?	No		No	No	No
If yes, provide the name and manufacturer for each system that is certified.					
System Certified					
Manufacturer					
C. Servers					
<u>Summary</u>					
1. Indicate total number of servers used by your agency in each of the following categories.					
Web	1		1	2	2
Communications					0
Production	1			14	8
Text				14	0
Reporting				14	0
Print	2	6		23	3
Development	1			3	2
Data	2	5	4	14	7
Backup	2			15	2
Application	2			10	3
Other				15	0
If other, please describe.				4 are DHCP server 11 are cash drawer/weigh scale systems at solid waste transfer stations	
2. List the type and location of servers below.					
Type	6 servers are WIN NT	NT 4.0	Windows NT	Windows NT 4	NT4.0 PDC Apps/Data/Print
Location	Admin bldg (KCAB)	KCCH, 3rd Floor	King County Courthouse	28 different sites	KCCH
Type	1 win 2000	NT 4.0	Windows 2000	Windows 2000	NT4.0 BDC
Location	KCAB	Bellevue Div	King County Courthouse	King St Ctr, Cedar Hills	KCCH
Type	2 Win NT	Windows 2000		Novell NetWare	NT4.0 BDC Data/Print
Location	Renton	Bellevue		King St Ctr, Cedar Hills	RJC
Type		Windows 2000		Vax	NT4.0 IIS
Location		Northeast Div.		South Treatment Plant	Key Tower
Type		NT 4.0		Macintosh TCP/IP	NT4.0 SQLServer/FileNet/Data
Location		Northeast		King Street Center	Key Tower
Type		NT 4.0		Unix	Nt4.0 App/data
Location		Renton		King St Ctr, Env. Lab	KCCH



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Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
Type		NT 4.0			NT4.0 App/Data/SQL/IIS
Location					RJC
3. Is your current capacity adequate?	No		Yes	Yes	Yes
If no, describe.	Lack of tape backup capacity, lack of adequate disk storage for images & user data. EISA motherboards in Seattle 2 & sonics do not have any PCI slots for Fast				
4. Of the total servers listed, how many require upgrading?	4		1	22	0
5. How many updates are planned in each of the following years?					
2002			1	16	0
2003				6	0
2004					0
6. How many replacements are planned in each of the following years?					
2002				11	2
2003	1			13	1
2004				6	1
Detail					
1. List each server being used and provide information associated with it on the attached work document.					
D. Network Hardware					
Summary					
1. Describe any key issues/challenges/ problems with existing hubs, routers, switches, etc.				Network switches near capacity on the 5th floor of King Street Center Fiber-copper cabling interface at Cedar Hills.	The LAN Administrators can't get access to the switches at the RJC, not even for emergency purposes. ITS does not have a staff person dedicated to the RJC 5 days a week to support the switches if problems occur.
Detail					
1. List each piece of hardware in place at your agency and provide information associated with it as listed.					



Agency Name	Department of Assessments	KC District Court	KC Council	Department of Natural Resources and Parks	Department of Judicial Administration
Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
E. Peripheral Devices					
<u>Summary</u>					
1. Total number of printers in place:			90	212	70
Locations:	6 at Renton production 20 in KCAB production 5 waiting to surplus		King County Courthouse, Bank of California, King County Administration building, other locations.	63 different locations	KCCH (King County Court House in Seattle) RJC (Regional Justice Center in Kent) JUVY (Juvenile Detention Center in Seattle)
2. Total number of scanners in place:	3		5	12	20
Locations:	2 KCAB 1 Black River		See above.	6 different locations	KCCH RJC JUVY
3. Total number of fax machines in place:	5				6
Locations:	4 at KCAB 1 at Renton			Unknown, our IT staff does not administer fax machines	KCCH RJC JUVY
4. Total number of modems in place:	0			0	0
Locations:			King County Courthouse		
<u>Detail</u>					
1. List each peripheral device in place at your agency and provide information associated with it as listed on the attached word document.					
F. Workstations					
<u>Summary</u>					
1. Number of workstations in place within your agency:	274		180	1765	300
2. For each type of workstation utilized, provide the quantity, type, number per year that are anticipated to be replaced, and the operating systems.					
Quantity	5 Micros		180	130	32
Type	Desktop P166		Desktop computers	Macintosh	Gateway 2000 PII 400mhz
Anticipated replacement quantity for 2002	5		0	10	0
Anticipated replacement quantity for 2003			0		32
Anticipated replacement quantity for 2004			120		0
Operating system	NT Workstation		Windows 2000	9.04 - 9.2.1	W98/NT4.0



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Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
Quantity	32 Armada 1700			1280	4
Type	Laptop P300			PC's	Compaq PIII 500mhz
Anticipated replacement quantity for 2002	16			300	0
Anticipated replacement quantity for 2003	16			300	4
Anticipated replacement quantity for 2004				300	0
Operating system	NT Workstation			Windows 95/98	NT4.0
Quantity	20 Compaq Deskpro			325	4
Type	Desktop P166			PC's	Compaq PII 350mhz
Anticipated replacement quantity for 2002				100	0
Anticipated replacement quantity for 2003	20			100	4
Anticipated replacement quantity for 2004				100	0
Operating system	NT Workstation			Windows NT/2000 Pro	NT4.0
Quantity	20 Compaq Deskpro			30	4
Type	Desktop P166			Notebooks	Gateway 2000 PII 266
Anticipated replacement quantity for 2002				8	4
Anticipated replacement quantity for 2003	20			8	0
Anticipated replacement quantity for 2004				8	0
Operating system	NT Workstation			Windows 95/98	W98
Quantity	3 Compaq Prolinea 575				21
Type	Desktop P180				Gateway 2000 PII 333mhz
Anticipated replacement quantity for 2002	3				21
Anticipated replacement quantity for 2003					0
Anticipated replacement quantity for 2004					0
Operating system	NT Workstation				NT4.0



Agency Name	Department of Assessments	KC District Court	KC Council	Department of Natural Resources and Parks	Department of Judicial Administration
Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
Quantity	4 Gateway 2000				9
Type	Desktop P200				Gateway 2000 PII 350mhz
Anticipated replacement quantity for 2002					9
Anticipated replacement quantity for 2003					0
Anticipated replacement quantity for 2004	4				0
Operating system	NT Workstation				NT4.0
Quantity	69 Armada 1750				9
Type	Laptop P400				Acer PII 350mhz
Anticipated replacement quantity for 2002					0
Anticipated replacement quantity for 2003					9
Anticipated replacement quantity for 2004	69				0
Operating system	W2000				W98
Quantity					49
Type					Gateway 2000 PIII 566mhz
Anticipated replacement quantity for 2002					0
Anticipated replacement quantity for 2003					0
Anticipated replacement quantity for 2004					49
Operating system					W98
Quantity					82
Type					Cascade PIII 600mhz
Anticipated replacement quantity for 2002					0
Anticipated replacement quantity for 2003					0
Anticipated replacement quantity for 2004					82
Operating system					NT4.0



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Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
Quantity					60
Type					Acer PIII 800mhz
Anticipated replacement quantity for 2002					0
Anticipated replacement quantity for 2003					0
Anticipated replacement quantity for 2004					0
Operating system					NT4.0
Detail					
1. For each of the workstations, provide the information requested on the attached word document.					
G. Electronics					
Summary					
1. What LAN network topologies are in use for servers and desktops?	Desktops				
10Mb Shared Ethernet				Desktops	Desktops
100Mb Shared Ethernet	Servers			Desktops	Servers
100Mb Switched Ethernet			Desktops	Servers and desktops	Servers
1000Mb Switched Ethernet				Servers	
ATM					Servers
FDDI					
4Mb Token Ring					
16Mb Token Ring					
3270 Legacy Systems					
2. What WAN topologies are in use?					
Frame Relay	Yes			Yes	No
Point to Point (HDLC or PPP)				No	No
ATM				Yes	No
FDDI				No	No
VPN	Yes			Yes	Yes



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H. Wireless					
<u>Summary</u>					
1. Are any wireless LANs being used or in process of deployment?	No		No	Yes	No
2. Are any mobile data terminals being used or in process of deployment?	No		No	Yes	No
3. Are any mobile data faxes being used or in process of deployment?	No		No	No	No
4. Are radio systems in place?	No		No	Yes	No
Are radio systems shared between departments or standalone?				shared	
What was/is the business case for radio systems deployment for each department/division?				field operations and emergency response	
5. List any proposed/upcoming wireless applications.					
6. Is there an individual responsible for wireless applications?	No		Yes	No	No
If yes, describe that individual's duties and responsibilities.			Network Manager		
<u>Detail</u>					
Detail to be submitted via the attached word document for wireless applications, data terminals, fax devices, and radio systems.					



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Agency Name	Department of Assessments	KC District Court	KC Council	Department of Natural Resources and Parks	Department of Judicial Administration
Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
I. Physical Layout					
<u>Summary</u>					
1. What is the square footage allocated to your agency's network closet?	144		40	varies by site	Not enough space to answer this question
2. Does the physical layout include:					
Dedicated lights	Yes		No	Yes	No
Dedicated HVAC	Yes		Yes	Yes	No
UPS Power	Yes		Yes	Yes	Yes
If yes, what duration for 75%	5 minutes		30 minutes	4-6 hours	30 minutes
Dedicated Ground	No		No	Yes	No
If dedicated, is it #6 AWG or greater?				Yes	
Seismic bracking			Yes	Yes	No
Physical security	Yes		Yes	Yes	Yes
Dedicated closet			Yes	Yes	No
II. Operating Systems					
<u>Summary</u>					
1. Indicate which operating systems are in use within your agency, and the number of computers utilizing each operating system.					
Windows 95					
Number of servers					0 W95 is not a server OS
Number of workstations				250	0
Windows 98					
Number of servers					0 W98 is not a server OS
Number of workstations				1060	70
Windows NT					
Number of servers	8			59	8
Number of workstations	116			185	230
Windows ME					
Number of servers					0 WME is not a server OS
Number of workstations					0
Windows 2000					
Number of servers	1		4	14	0
Number of workstations	158		180	140	0



Agency Name	Department of Assessments	KC District Court	KC Council	Department of Natural Resources and Parks	Department of Judicial Administration
Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
Windows XP					
Number of servers					0
Number of workstations					0
Macintosh version 8.0 or newer					
Number of servers				8	0
Number of workstations				130	0
Macintosh older than version 8.0					
Number of servers					0
Number of workstations					0
If others, please specify.				Unix = 2 servers VAX = sewage treatment plant process controls	
III. Software/Applications					
Summary					
1. Which report writers does your agency utilize?					
Crystal	No		Yes	Yes	Yes
Access	No		No	Yes	Yes
Excel	Yes		No	Yes	Yes
FRx	no		No	No	No
Other	VSVIEW		No	No	No
If other, please specify.	3rd party OCX			business objects	
Detail					
1. For each major application in use, provide the information requested on the attached word document.					
2. What major systems and data are interfaced? (Attached word document)					
IV. Backup Processes					
Summary					
1. Are backups for all systems conducted regularly?	No		Yes	No	Yes
If no, which systems are not backed up regularly and why?	Desktop systems are not backed up regularly due to lack of disk space on servers to use home directories and lack of tape drive capacity.			Desktop PC's and Notebooks not backed up.	



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Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
2. Have there been backup failures?	Yes		Yes	No	Yes
Describe.					Bad tape, time window too small for amount of data needed to be backed up.
3. How long are backups retained?	5 weeks		1 year	3-6 months, depending upon the site	It depends on the system 6 months to forever
Describe any key issues/challenges related to existing backup processes.	Lack of sufficient capacity to effectively perform full backups. Lack of sufficient server disk space to hold directories for users, NT 05 does not support disk quotas.				
<u>Detail</u>					
1. Backup software:	ArcServe		Veritas Backup Exec	Veritas, legato, retrospect	Backup Exec
2. Backup hardware:	40 GB DLT and 94) 12 GB DAT Drives		DLT changer	NT Servers	DLT Tape drives, HP Optical Jukebox
3. Schedule for full backups:	M-F		Weekly	weekly	Depends on system, Daily to weekly
4. Schedule for incremental backups:	daily		Weekend. Daily differential	daily	Depends on system, non to daily
5. Backup media:	tape			LTO, DLT, DAT	DLT tape & Optical CD
6. Is off-site media storage used?	Yes		Yes	Yes	Yes
7. Who manages off-site data storage?	We do		Datasite NW	department staff (media sent to remote sites)	King County ITS
<i>V. Internet</i>					
<u>Summary</u>					
1. How many staff have Internet access?	All		All	all with PC access	All of them
2. Describe any key issues/challenges/problems related to existing Internet capabilities.					Enforcing/policing the policy that's in place. Cost and time involved in enforcing & policing to great.



Agency Name	Department of Assessments	KC District Court	KC Council	Department of Natural Resources and Parks	Department of Judicial Administration
Contact Person	Hoang Nguyen	Cathy Grindle	Paul Gaskill	Gary Hocking	David Baker
<i>VI. Staffing</i>					
A. Skills					
<u>Summary</u>					
1. How many staff support IT in your agency?	11		2	30	6
List staff titles.	Division Manger, Programmer/Analyst, System Analyst, Network Admin, DBA		Network Manager LAN administrator	Information Systems Manager Information Systems Professional 2,3,4,5 Information Systems Analyst 2,3 Co	LAN Administrator, Data Dissemination Manager/Programmer, System and Data Base Administrator, Manager, ECR Tech Coordinator, e-filing Project Manager
<u>Detail</u>					
For each of the staff titles with technology responsibilities, indicate what percent of their time is spent on each of the functions identified.					
<i>VII. Telephony - (DIAS Only)</i>					

Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
TECHNOLOGY INVENTORY					
<i>I. Network Infrastructure</i>					
A. Network Overview					
<u>Summary</u>					
1. Indicate which network type(s) are in place at your agency					
Client server	Yes	Yes	Yes	Yes	Yes
Peer to peer	No	No	Yes	No	No
Other	No	No	No	No	No
If other, please specify.					
2. What network protocols are in place?	TCP/IP Macintosh	IP, IPX	IP	IP, IPX, TCP/IP	IPX/SPX, TCP/IP, SNA (ENCAPSULATED IN IP), DLC
3. What network topologies are used?					
Ethernet	Yes	Yes	Yes	Yes	
Token ring	No	No	No	No	
Other	No	No	No	No	
If other, please specify.					



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Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
4. What network operating systems does your agency use?	NT 4.0	NT4, Novell 4.11	Windows NT 4.0	NOVELL NETWARE 5.0, Windows NT	NETWARE, WINDOWS NT, WINDOWS 2000 SERVER
B. Cabling					
1. Does your agency use a mix of cable types?	Yes	Yes	Yes	No	Yes
2. Is a cable upgrade needed?	No	Yes	No	No	No
Describe.		All Cat3 in Courthouse and 10th floor of Bank of Cal. Bldg needs to be upgraded to Cat5		Completion of WAN fiber to one base location still outstanding.	
Detail	15				
1. Indicate what percent of the cabling used to support your network falls into each of the following categories.					
CAT 4	85		98		
CAT 5 or 5e				95%	
CAT 6			2		
Fiber optic				5%	
2. Are any systems certified?	No	No			No
If yes, provide the name and manufacturer for each system that is certified.					
System Certified				Cat5	
Manufacturer				AVYA	
System Certified				Fiber Optic	
Manufacturer				ATT	
C. Servers					
Summary					
1. Indicate the total number of servers used by your agency in each of the following categories.					
Web	2	1	1		2
Communications			1		1
Production	2	7	0		52
Text			0		?
Reporting			0		2
Print	3		7		36
Development	1		1		4
Data	4		12		56



Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
Backup	4		5		2
Application	1		5		17
Other			4		0
If other, please describe.			CD-ROM server	Servers categorized as follows: Production (database and applications - but not including web servers): 31 Test/Development (database and applications but not in Web servers: 5	
2. List the type and location of servers below.					
Type		Novell 4.11 - FAM	Data	Unix	SEE DETAIL REPORT
Location		9th floor Bank of Cal	King Street Center (KSC)	Key Tower, KSC, Exchange blg	
Type		NT4 - PAOBOC	Data	NT	
Location		10th floor Bank of Cal	Renton Roads	See Attachment 1	
Type		NT4 - PAOCRM	Print	Linux	
Location		5th floor Courthouse	KSC	KSC, Key Tower, Exchange blg	
Type		NT4 - PAOJUV	Print	Netware	
Location		5th floor Courthouse	Renton Roads	See Attachment 1	
Type		NT4 - PAODogbert	Web		
Location		5th floor Courthouse	KSC		
Type		NT4 - PAOCVL2	Backup		
Location		9th floor Admin Bldg.	KSC		
Type		NT4 - PAOWEB	Backup		
Location		9th floor Admin Bldg.	Renton Roads		
Type		NT4 - PAORJC	CDROM		
Location		2nd floor RJC	KSC		
3. Is your current capacity adequate?		Yes	No	Yes	Yes
If no, describe.			Need more disk space. Need faster processing capability.		
4. Of the total servers listed, how many require upgrading?	4	0	6		6
5. How many updates are planned in each of the following years?					
2002	1		4		
2003			4		
2004			4		



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Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
6. How many replacements are planned in each of the following years?					
2002	2	3	2	1	6
2003	1	3	2	5	18
2004	1	2	2	8	18
<u>Detail</u>					
1. List each server being used and provide information associated with it on the attached work document.					
D. Network Hardware					
<u>Summary</u>					
1. Describe any key issues/challenges/ problems with existing hubs, routers, switches, etc.		Many hubs are only 10MB. It would be nice to upgrade to 10/100 switches.			Budget required to maintain uptime/production environment.
<u>Detail</u>					
1. List each piece of hardware in place at your agency and provide information associated with it as listed.					
E. Peripheral Devices					
<u>Summary</u>					
1. Total number of printers in place:	24	60	47		350
Locations:	King County Airport Yesler Bldg Administration Bldg Smith Tower	Courthouse Bank of California Bldg. Admin. bldg. Key Tower Youth Services RJC 6 District Courts Kent - Gowe St.	(Networked printers only) KSC, Renton Roads	We have 200 network printers distributed across all Transit facilities	Spread throughout all PH locations.
2. Total number of scanners in place:	2	6	9		30+
Locations:	Yesler Bldg Smith Tower	This is a guess - We do not use scanners for production and they tend to multiply without official sanction.	KSC, Renton Roads	Unknown - not in asset plan	Various, mainly at downtown core sites.
3. Total number of fax machines in place:	8	20	18		71
Locations:	Smith Tower Administration Bldg Yesler Bldg KC Airport	This is a total guess	KSC, Renton Roads, 9 Roads Maintenance remote sites (Vashon, Skykomish, Cadman, Bog, Issaquah, Fall City, Star Lake,	Part of TAMP	Minimum of one per location



Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
			Maple Valley, Summit)		
4. Total number of modems in place:	0	2			30+
Locations:		1 Admin bldg - off WAN 1 BOC	KSC, Renton Roads, in traffic signals	Minimal - PCs use network cards	Various locations, plus all laptops
Detail					
1. List each peripheral device in place at your agency and provide information associated with it as listed on the attached word document.					
F. Workstations					
Summary					
1. Number of workstations in place within your agency:		550	600	1000	1550
2. For each type of the workstations utilized, please provide the following quantity, type, number per year that are anticipated to be replaced, and the operating systems.					
Quantity	Gateway	60	155	1000	
Type	E3000	<P200		Primarily Gateways	PC
Anticipated replacement quantity for 2002	20	60 - depends on funding	140	273	25%
Anticipated replacement quantity for 2003	10			411	25%
Anticipated replacement quantity for 2004	10			183	25%
Operating system	W2K	Win9X	Windows 95	Windows 9x/NT/2000	MS Windows
Quantity	Clone	110	320		
Type	Pentium Class	P200 - <P300			
Anticipated replacement quantity for 2002	18	0-110 - depends of funding			
Anticipated replacement quantity for 2003	0				
Anticipated replacement quantity for 2004	0				
Operating system	W2K	Win9X	Windows 98		



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Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
Quantity	Macintosh	160	20		
Type	G3	P300-<P500			
Anticipated replacement quantity for 2002	25	0			
Anticipated replacement quantity for 2003		160			
Anticipated replacement quantity for 2004					
Operating system	W2K	Win9X	Windows NT 4.0		
Quantity		220	50		
Type		P500-P850			
Anticipated replacement quantity for 2002		0			
Anticipated replacement quantity for 2003		0			
Anticipated replacement quantity for 2004		220			
Operating system		Win9X	Windows 2000 Pro		
Detail					
1. For each of the workstations, provide the information requested on the attached word document.					
G. Electronics					
Summary					
1. What LAN network topologies are in use for servers and desktops?					
10Mb Shared Ethernet	Desktops	Desktops	Desktops	Desktops	Desktops
100Mb Shared Ethernet	Desktops	Desktops	Desktops		Desktops
100Mb Switched Ethernet	Servers	Desktops	Desktops	Servers	Desktops
1000Mb Switched Ethernet				Servers	
ATM					
FDDI					
4Mb Token Ring					
16Mb Token Ring					
3270 Legacy Systems					Desktops



Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
2. What WAN topologies are in use?					
Frame Relay	No	Yes	Yes		Yes
Point to Point (HDLC or PPP)	No	No	No		Yes
ATM	No	Yes	Yes		Yes
FDDI	No	No	No		Yes
VPN	Yes	No	Yes		Yes
H. Wireless					
<u>Summary</u>					
1. Are any wireless LANs being used or in process of deployment?	No	No	No	Yes	No
2. Are any mobile data terminals being used or in process of deployment?	No	No	Yes	Yes	No
3. Are any mobile data faxes being used or in process of deployment?	No	No	No	No	No
4. Are radio systems in place?	No	No	Yes	Yes	Yes
Are radio systems shared between departments or standalone?			Shared	See Attachment 1	
What was/is the business case for radio systems deployment for each department/division?			Communications for field staff for emergency communications	Communications with bus operators and Metro Transit supervisory, maintenance and support staff is essential to providing safe, secure and reliable transit service.	PH Emergency Operations Center
5. List any proposed/upcoming wireless applications.				Replacement of the existing transit radio and automatic vehicle location (AVL) system. Implementation of a wireless local area network (WLAN) at seven transit operating bases to download a variety of data from the bus fleet. Implementation of mobile data terminals and automatic vehicle location for approx. 300 paratransit vans operated by contracted service providers. Implementation of mobile computing for approx. 25	



Technology Inventory Summary

Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
6. Is there an individual responsible for wireless applications?	No	No	No	field supervisor vans.	Yes
If yes, describe that individual's duties and responsibilities.				There are several individuals in Transit responsible for various aspects of wireless communications. Dan Overgaard - Supervisor of Systems Management & Analysis, oversight for project management Hai Phung - Project Manager for Radio/AVL System. Walt Miller - Technical lead for Radio Maintenance group. Janey Elliott - Project Manager for the paratransit MDT project.	MIS is responsible for all aspects of hardware research and development, purchase, policy/procedure and implementation.
<u>Detail</u>					
Detail to be submitted via the attached word document for wireless applications, data terminals, fax devices, and radio systems.					
I. Physical Layout					
<u>Summary</u>					
1. What is the square footage allocated to your agency's network closet?	Wiring close in 4 different bldgs - vary 30-150 sf	unknown			Varies by site - 22 sites
2. Does the physical layout include:					
Dedicated lights	Yes	No	Yes	Yes	No
Dedicated HVAC	No	No	Yes	Yes	Yes
UPS Power	No	No	Yes	Yes	Yes
If yes, what duration for 75%					10 min
Dedicated Ground	No	Yes	Yes	Yes	No
If dedicated, is it #6 AWG or greater?	No			Yes	
Seismic bracking	Yes	Yes	Yes	No	Yes
Physical security	No	Yes	Yes	Yes	Yes
Dedicated closet	No	Yes	Yes	Yes	No



Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
<i>II. Operating Systems</i>					
<u>Summary</u>					
1. Indicate which operating systems are in use within your agency, and the number of computers utilizing each operating system.					
Windows 95					
Number of servers			0		0
Number of workstations		250	155		45
Windows 98					
Number of servers			3		0
Number of workstations		300	320		1469
Windows NT					
Number of servers	9	7	20		17
Number of workstations			18		6
Windows ME					
Number of servers			0		0
Number of workstations			0		0
Windows 2000					
Number of servers	6		0		1
Number of workstations			50		30
Windows XP					
Number of servers			0		0
Number of workstations			0		0
Macintosh version 8.0 or newer					
Number of servers			0		0
Number of workstations			0		0
Macintosh older than version 8.0					
Number of servers			0		0
Number of workstations			0		0
If others, please specify.		1 Novell server		Workstations are predominantly Win98, NT. Some older machines have Win95. New machines come in with Win 2000. Intention is to standardize on single operating system within 1-2 years - but requires budget approvals.	Netware Servers - 30, SCO Unix - 1, Linux - 1, O/S2 - 1



Technology Inventory Summary

Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
III. Software/Applications					
<u>Summary</u>					
1. Which report writers does your agency utilize?					
Crystal	Yes	No	Yes	Yes	Yes
Access	Yes	Yes	No	Yes	Yes
Excel	Yes	Yes	No	No	Yes
FRx	No	No	No	No	Yes
Other	No	No	No	No	Yes
If other, please specify.				Delphi Quick Reports, Powerbuilder, Oracle Dev 2000, and other vendor supplied tools as part of software packages	SAS, SPSS, dBase, OAS
<u>Detail</u>					
1. For each major application in use, provide the information requested on the attached word document.					
2. What major systems and data are interfaced? (Attached word document)					
IV. Backup Processes					
<u>Summary</u>					
1. Are backups for all systems conducted regularly?	Yes	Yes	Yes	Yes	Yes
If no, which systems are not backed up regularly and why?					



Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
2. Have there been backup failures?	No	Yes	Yes	Yes	Yes
Describe.		Ask ITS about Tivoli	Restore process did not work.	ITS managed backups of Unix servers has been inconsistent. ITS is in the process of replacing TSM with Legato. One application has had backup failures attributable a combination of the backup software and the vendor application. New procedures are being put in place. Other NT backups have been very consistent. On rare occasions there is a failure due to human error when tapes are not staged. New tape backup hardware has been purchased to migrate towards more centralized and automated processes.	Backing up 56 servers on a daily basis across WAN links will occasionally fail due to issues outside PH's control
3. How long are backups retained?	2 years	Ask ITS	3-6 months	Up to 10 years depending on type of data	3 months
Describe any key issues/challenges related to existing backup processes.			Need offsite storage. Developing a plan to study and implement offsite storage options.		Ongoing costs to support off-site storage and backup
Detail					
1. Backup software:	Backup Exec	Tivoli for all but Family Support	Backup Exec	TSM, Legato	Legato
2. Backup hardware:	Compaq	Ask ITS	Adic FastStor, 2 x DLT1, Storage Dimensions P1000	See Attachment 1	W2K:Dell PowerEdge 2500 w Dell PowerVault 130
3. Schedule for full backups:	weekly full/monthly/yearly		once per week	See Attachment 1	one full per month
4. Schedule for incremental backups:	Daily	5 nights	nightly	Daily	daily
5. Backup media:	various tape media - DLT	ask ITS	DLT tapes	Tape	dlt7000
6. Is off-site media storage used?	Yes	Yes	No	Yes	No
7. Who manages off-site data storage?		ITS		DataSite, not sure for ITS tapes	
V. Internet					
Summary					
1. How many staff have Internet access?	All	All	all	Virtually all staff with PCs	All
2. Describe any key issues/challenges/problems			speed at some locations	Currently developing policies and mechanisms for appropriate use.	Management complaints regarding employee's Internet usage



Technology Inventory Summary

Agency Name	KC Executive OHRM and OCR	Office of Prosecuting Attorney	DOT Road Services Division	DOT Metro Transit Division	Department of Public Health
Contact Person	Samuel Cardenas	Fred Flickinger	Marcia Kamin	Peggy Willis, Manager, MITT	Patty Schwendeman
related to existing Internet capabilities.					
<i>VI. Staffing</i>					
<i>A. Skills</i>					
<u>Summary</u>					
1. How many staff support IT in your agency?	6	10	9	51	26
List staff titles.	Information Systems Coordinator LAN Administrator Programmer Analyst	Director of IT Director of Computer Services Web developer Deputy Prosecutor - Family support Web Deve	LAN administrator, PC Coordinator II, Computer Technology Specialist, ISA	ISA I, II, III, IV Other staff in Transit may also work sometimes with Technical systems as part of their responsibilities	ISP I, II, III, IV, ISA IV, ISA III
<u>Detail</u>					
For each of the staff titles with technology responsibilities, indicate what percent of their time is spent on each of the functions identified.					

Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
TECHNOLOGY INVENTORY					
<i>I. Network Infrastructure</i>					
<i>A. Network Overview</i>					
<u>Summary</u>					
1. Indicate which network type(s) are in place at your agency					
Client server	Yes	Yes	Yes	Yes	Yes
Peer to peer	Yes	No	Yes	Yes	Yes
Other	No	No	No	No	
If other, please specify.					
2. What network protocols are in place?	IP IPX	TCP/IP	IPX, IP, encapsulated Netbios	IPX (Ethernet 802.2) IP (Ethernet_II)	IPX, IP, encapsulated Netbios
3. What network topologies are used?					
Ethernet	Yes	Yes	Yes	Yes	Yes
Token ring	No	No	Yes	No	No
Other	No	No	No	No	No
If other, please specify.					



Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
4. What network operating systems does your agency use?	NT 4.0 Netware 3.11 VMS UNIX	MICROSOFT NT 4.0 MICROSOFT WINDOWS 2000	Netware 5.1, Windows NT4 Server, Windows 2000 desktop, Windows 98 on laptop	Netware 5.1 Windows NT 4.0 Sp5	Desktop: NT4, Windows 2000, Windows XP, Window 98 Servers: Windows NT4, Windows 2000, Novell 5.0
B. Cabling					
1. Does your agency use a mix of cable types?	No	Yes	Yes	Yes	Yes
2. Is a cable upgrade needed?	No	Yes	No	Yes	Yes
Describe.		Possible upgrade required at motor pool garage and at Building F, G, J of Renton consolidated maintenance facility in order to increase bandwidth for users	All cabling is CAT5 except from the router to the WAN there is the option of Fiber (yet to be completed)	Some cabling at King County Correctional Facility and Youth Services Center does not pass Cat5 Certification. All of the cabling at the Regional Justice Center is 10Mbit	Some Cat3 needs to be updated. The rest is Cat5 or higher
Detail				0	
1. Indicate what percent of the cabling used to support your network falls into each of the following categories.					
CAT 4	100			50	15
CAT 5 or 5e			99	0	85
CAT 6			1	0	
Fiber optic				50	
2. Are any systems certified?	Yes			Yes	
If yes, provide the name and manufacturer for each system that is certified.	Check with the NOC			Dell File Servers	No
System Certified				Dell Computers	
Manufacturer					
C. Servers					
Summary					
1. Indicate the total number of servers used by your agency in each of the following categories.					
Web	7	1	0	3	4
Communications		1	0	0	
Production	2		0	6	15
Text			0	0	
Reporting			0	1	



Technology Inventory Summary

Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
Print	2		0	??	
Development	2	1	0	0	4
Data	6		0	2	
Backup	1		0	1	2
Application	2	2	1	2	
Other			1		
If other, please describe.			Data Security		
2. List the type and location of servers below.					
Type	NT 4.0 (10 total)	NT 4.0 (ALL SERVERS)	Netware 5.1	Netware 4.11	NT4
Location	7th fl Exch. Server room	KING STREET CENTER - 8TH F	Walthew Bldg	KCCF Server Room	KCCH (4), Juvy Hall (5), Re Justice (2)
Type	NT 4.0 (6 total)		Windows NT 4	Netware 4.11	Windows 2000
Location	7th fl main floor area		Walthew Bldg	KCCF Server Room	Juvenile Hall (1) KCCH (3)
Type	NT 4.0 (1 total)			Netware 4.11	Novell 5
Location	6th fl Admin. Bldg.			KCCF Server Room	Juvenile Hall (2)
Type	Netware 3.11 (2 total)			Windows NT	
Location	7th fl Exch. Server room			KCCF Server Room	
Type	VMS			Windows NT	
Location	Key tower Computer Rm.			Key Tower	
Type	UNIX			Netware 4.11	
Location	Key tower Computer Rm.			Regional Justice Center	
Type				Netware 5.1	
Location				Regional Justice Center	
Type				Netware 5.1	
Location				Regional Justice Center	
3. Is your current capacity adequate?	No	Yes	No	Yes	Yes
If no, describe.	We have just purchased 3 new servers. As soon as they are in place we should be ok for a couple of years.		File server running at 200 Mhz with 20 G HD		
4. Of the total servers listed, how many require upgrading?	7	1	2	2	6
5. How many updates are planned in each of the following years?					
2002	0		0	0	
2003	0		0	0	



Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
2004	0		0	0	5
6. How many replacements are planned in each of the following years?					
2002	0	1	0	0	0
2003	0		0	0	0
2004	0		0	0	0
Detail					
1. List each server being used and provide information associated with it on the attached work document.					
D. Network Hardware					
Summary					
1. Describe any key issues/challenges/problems with existing hubs, routers, switches, etc.	None	POSSIBLE UPGRADE REQUIRED AT MOTOR POOL GARAGE AND AT BUILDING F, G, J OF RENTON CONSOLIDATED MAINTENANCE FACILITY IN ORDER TO INCREASE BANDWIDTH FOR USERS.		There is still a fair amount of Shared Media Hubs at KCCF, Regional Justice Center Switches originally purchased are 10Mbit which are quickly becoming a problem.	We are in good shape here.
Detail					
1. List each piece of hardware in place at your agency and provide information associated with it as listed.					
E. Peripheral Devices					
Summary					
1. Total number of printers in place:	44	21	12	68	105
Locations:	7th, 8th, 3rd floors Exchange Bldg. 107 subnet 6th floor Admin	KING STREET CENTER - 6 MOTOR POOL - 3 RENTON - 9 TRANSIT NRV - 3	Downtown, DYS, RJC,	Youth Services, King County Correctional Facility, King County Court House, Regional Justice Center	Youth Services, King County Court House, Regional Justice Center
2. Total number of scanners in place:	10	1	3	6	3
Locations:	7th, 8th, 3rd floors Exchange Bldg. 107 subnet 6th floor Admin	KING STREET CENTER - 1	Downtown	King County Correctional Facility, Regional Justice Center	Youth Services, King County Court House
3. Total number of fax machines in place:	15	6	3		5
Locations:	7th, 8th, 3rd floors Exchange Bldg.	KING STREET CENTER - 1	Downtown, DYS, RJC,	NOT TRACKED BY	Downtown, DYS, RJC,



Technology Inventory Summary

Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
	107 subnet 6th floor Admin	MOTOR POOL - 2 RENTON - 2 TRANSIT NRV - 1		INFORMATION SERVICES SECTION	
4. Total number of modems in place:	3	10	0	0	0
Locations:	7th, 8th, 3rd floors Exchange Bldg. 107 subnet 6th floor Admin	KING STREET CENTER - 5 MOTOR POOL - 1 RENTON - 3 TRANSIT NRV - 1			
Detail					
1. List each peripheral device in place at your agency and provide information associated with it as listed on the attached word document.					
F. Workstations					
Summary					
1. Number of workstations in place within your agency:		56	30	366	550
2. For each type of the workstations utilized, please provide the following quantity, type, number per year that are anticipated to be replaced, and the operating systems.					
Quantity	282	18	30	Pentium	
Type	Pentium II	DESKTOP	605 Mhz Master Computers	196	
Anticipated replacement quantity for 2002	0	7	0	Subject to budget approval	15%
Anticipated replacement quantity for 2003	0	1	0	Subject to budget approval	25%
Anticipated replacement quantity for 2004	0	10	0	Subject to budget approval	60%
Operating system	0	NT 4.0	Windows 2000	Windows	Windows XP
Quantity	15	34		Pentium ii	
Type	Pentium III	DESKTOP		40	
Anticipated replacement quantity for 2002	0			Subject to budget approval	
Anticipated replacement quantity for 2003	0			Subject to budget approval	
Anticipated replacement quantity for 2004	0			Subject to budget approval	



Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
Operating system	0	WINDOWS 2000			
Quantity		1		Pentium 3	
Type		DESKTOP		130	
Anticipated replacement quantity for 2002		1		Subject to budget approval	
Anticipated replacement quantity for 2003				Subject to budget approval	
Anticipated replacement quantity for 2004				Subject to budget approval	
Operating system		WINDOWS 95			
Quantity		2			
Type		LAPTOP			
Anticipated replacement quantity for 2002		2			
Anticipated replacement quantity for 2003					
Anticipated replacement quantity for 2004					
Operating system		NT 4.0			
Quantity		1			
Type		LAPTOP			
Anticipated replacement quantity for 2002		1			
Anticipated replacement quantity for 2003					
Anticipated replacement quantity for 2004					
Operating system		WINDOWS 95			
Detail					
1. For each of the workstations, provide the information requested on the attached word document.					
G. Electronics					
Summary					
1. What LAN network topologies are un use for servers and desktops?					
10Mb Shared Ethernet	Desktops	Desktops		Desktops	
100Mb Shared Ethernet	Desktops	Desktops	Servers		



Technology Inventory Summary

Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
100Mb Switched Ethernet		Servers		Servers	Servers/Desktops
1000Mb Switched Ethernet					
ATM					
FDDI	Servers				
4Mb Token Ring					
16Mb Token Ring			Desktops		
3270 Legacy Systems			Desktops	Desktops	
2. What WAN topologies are in use?					
Frame Relay	No	Yes	No	No	
Point to Point (HDLC or PPP)	No	Yes	No	No	
ATM	Yes	No	Yes	Yes	Yes
FDDI	Yes	No	No	Yes	Yes
VPN	No	Yes	No	No	Yes
H. Wireless					
<u>Summary</u>					
1. Are any wireless LANs being used or in process of deployment?	No	No	No	Yes	No.
2. Are any mobile data terminals being used or in process of deployment?	No	No	No	No	
3. Are any mobile data faxes being used or in process of deployment?	No	No	No	No	No
4. Are radio systems in place?	No	Yes	No	Yes	No
Are radio systems shared between departments or standalone?		Between departments		Shared	
What was/is the business case for radio systems deployment for each department/division?		Dispatch emergency response		Life Safety, Critical information sharing	
5. List any proposed/upcoming wireless applications.		Exploring wireless capabilities for field technicians to do data entry into our fleet management application			



Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
6. Is there an individual responsible for wireless applications?		Yes	No	Yes	
If yes, describe that individual's duties and responsibilities.		ISA3		Keeping wireless functioning. All responsibilities.	
<u>Detail</u>					
Detail to be submitted via the attached word document for wireless applications, data terminals, fax devices, and radio systems.					
I. Physical Layout					
<u>Summary</u>					
1. What is the square footage allocated to your agency's network closet?			35 square feet	3 closets 240 Sqft+/each	200 Sqft average for all.
2. Does the physical layout include:					
Dedicated lights	No	Yes	No	Yes	No
Dedicated HVAC	Yes		Yes	Yes	No
UPS Power	Yes		Yes	Yes	No
If yes, what duration for 75%	20min			20 minutes	
Dedicated Ground	Yes		Yes	Yes	Yes
If dedicated, is it #6 AWG or greater?	Yes				
Seismic bracking	No		Yes	No	No
Physical security	Yes		Yes	Yes	Yes
Dedicated closet	Yes		No	No	No



Technology Inventory Summary

Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
II. Operating Systems					
<u>Summary</u>					
1. Indicate which operating systems are in use within your agency, and the number of computers utilizing each operating system.					
Windows 95					0
Number of servers	None	0		0	0
Number of workstations	179	2		213	550
Windows 98					
Number of servers	None	0		0	0
Number of workstations	20	0	1	150	525
Windows NT					0
Number of servers	18	5	1	2	9
Number of workstations	75	20		1	0
Windows ME					0
Number of servers	None	0		0	0
Number of workstations	None	0		0	0
Windows 2000					0
Number of servers	None	0		0	4
Number of workstations	28	34	30	1	20
Windows XP					0
Number of servers	None	0		0	0
Number of workstations	None	0		0	5
Macintosh version 8.0 or newer					
Number of servers	None	0		0	0
Number of workstations	None	0		0	0
Macintosh older than version 8.0					0
Number of servers	None	0		0	0
Number of workstations	None	0		0	0
If others, please specify.	Soon all will be Win 2000		Netware 5.1	Mandrake Linux	Netware 5.0



Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
III. Software/Applications					
<u>Summary</u>					
1. Which report writers does your agency utilize?					
Crystal	Yes	Yes	No	Yes	Yes
Access	Yes	No	No	Yes	Yes
Excel	Yes	Yes	No	Yes	Yes
FRx	No	No	No	No	
Other	No	No	Yes	No	
If other, please specify.			PC FOCUS		PowerBuilder
<u>Detail</u>					
1. For each major application in use, provide the information requested on the attached word document.					
2. What major systems and data are interfaced? (Attached word document)					
IV. Backup Processes					
<u>Summary</u>					
1. Are backups for all systems conducted regularly?	No	Yes	No	Yes	Yes
If no, which systems are not backed up regularly and why?	Just the servers, no workstations.		Yes, until backup tape failure, waiting for ordered replacement		
2. Have there been backup failures?	Yes	No	Yes	Yes	Yes
Describe.	Bad tapes, bad autoloader, software errors.			Intermittent Software or Hardware failures. Easily fixed.	Some hardware and software issues.
3. How long are backups retained?	4 weeks and once a year a full archive	2 MONTHS	One year	Min of 1 quarter	One month
Describe any key issues/challenges related to existing backup processes.	So far none.	None	Software/hardware incompatible		
<u>Detail</u>					
1. Backup software:	Backup Exec V7.6	NT 4.0	Backup Exec/Veritas	BackupExec	BackupExec
2. Backup hardware:	Compaq Proliant with 2 4mm DAT autoloaders	HP SURESTORE DLT 40	Compaq DLT	ADIC Tape Library HVD SCSI	ADIC Tape Library HVD SCSI, Gateway Server Stacker
3. Schedule for full backups:	Once a week	Daily	Nightly	31 days	Nightly



Technology Inventory Summary

Agency Name	Finance	DOT Fleet Administration	DCHS Office of Public Defense	Department of Adult and Juvenile Detention	King County Superior Court
Contact Person	Brian Bothomley	Jose Deleon	Teri Bednarski	Jeff Straughn - Sr. LAN Administrator	Kevin Daggett
4. Schedule for incremental backups:	nightly	NONE		Never-We do Differential	
5. Backup media:	4 mm tape	TAPE	Tape	DLT-IV tapes	DLT=4 Tapes, 4mm tapes
6. Is off-site media storage used?	Yes	No	Yes	No	
7. Who manages off-site data storage?	Sent to ITS	NA	WAN Administrator		Wan/LAN Admins
V. Internet					
<u>Summary</u>					
1. How many staff have Internet access?	All	38	All	172	All
2. Describe any key issues/challenges/problems related to existing Internet capabilities.	Downloading files and wasting time..	NONE		Very Intermittent failures at Routers or Firewall.	
VI. Staffing					
A. Skills					
<u>Summary</u>					
1. How many staff support IT in your agency?		2	1	6	8
List staff titles.	LAN Administrator	ISA3 SYSTEMS ANALYST	Wide Area Network Administrator	Information Systems Manager LAN Administrator PC Coordinator	Information Systems Director, ISP 2,3,4
<u>Detail</u>					
For each of the staff titles with technology responsibilities, indicate what percent of their time is spent on each of the functions identified.					



Agency Name	Sherrif's Office	King County International Airport	Department of Development and Environmental Services	Department of Information and Administrative Services
Contact Person	Gary Shumway	Joel Abanes	Larry Faucher	Kevin Kearns
TECHNOLOGY INVENTORY				
I. Network Infrastructure				
A. Network Overview				
<u>Summary</u>				
1. Indicate which network type(s) are in place at your agency				
Client server	Yes	Yes	Yes	Yes
Peer to peer				Yes
Other				
If other, please specify.				
2. What network protocols are in place?	TCP/IP	TCP/IP, IPX/SPX (in-house)	IPX, TCP/IP	TCP/IP, IPX, AppleTalk, SNA
3. What network topologies are used?				
Ethernet	Yes	Yes	Yes	Yes
Token ring				
Other				
If other, please specify.				
4. What network operating systems does your agency use?	Microsoft WIN 95/98/2000 pao WIN NT 4.0	Windows NT 4.0 Server, MS Windows 2000 Server (Member Server)	Unix, Netware, NT, WIN2000	NT
B. Cabling				
1. Does your agency use a mix of cable types?	Yes	Yes	No	No
2. Is a cable upgrade needed?	Yes	No	No	No
Describe.				
<u>Detail</u>				
1. Indicate what percent of the cabling used to support your network falls into each of the following categories.				
CAT 4			100	
CAT 5 or 5e	99.9			100
CAT 6				
Fiber optic	0.1			



Technology Inventory Summary

Agency Name	Sherrif's Office	King County International Airport	Department of Development and Environmental Services	Department of Information and Administrative Services
Contact Person	Gary Shumway	Joel Abanes	Larry Faucher	Kevin Kearns
2. Are any systems certified?	No	No	No	No
If yes, provide the name and manufacturer for each system that is certified.				
System Certified				
Manufacturer				
C. Servers				
<u>Summary</u>				
1. Indicate the total number of servers used by your agency in each of the following categories.				
Web	4		2	30
Communications			0	15
Production	6		5	20
Text	3		0	0
Reporting			In production	0
Print	8	1	1	6
Development	2		2	10
Data	1	1	3	6
Backup	6	1	1	1
Application			In production	8
Other				0
If other, please describe.				
2. List the type and location of servers below.				
Type	I86 (NT 4.0)	Windows NT 4.0 Server	All servers	NT
Location	KCCH/RJC/PCTS 2/3/4/5/ATU	Airport Admin	900 Oakdale Ave. SW	Courthouse, Admin Building, Key Tower, 7300 Building, Kent Animal Shelter
Type		Windows NT 4.0 Server		Unix
Location		Airport Admin		Key Tower Data Center
Type		Windows 2000 Server		
Location		Airport Admin		
3. Is your current capacity adequate?	No	Yes	Yes	Yes
If no, describe.	Growing needs			
4. Of the total servers listed, how many require upgrading?	8	1	3	5



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5. How many updates are planned in each of the following years?				
2002	5		3	0
2003				4
2004		1		1
6. How many replacements are planned in each of the following years?				
2002	3			0
2003	2			5
2004				5
<u>Detail</u>				
1. List each server being used and provide information associated with it on the attached work document.				
D. Network Hardware				
<u>Summary</u>				
1. Describe any key issues/challenges/problems with existing hubs, routers, switches, etc.	With purchase and installation of several new switches, network congestion is improving, a site at a time.		Note for Section G below. All servers and clients are on 100B< Switched Ethernet network.	Equipment replacement funding
<u>Detail</u>				
1. List each piece of hardware in place at your agency and provide information associated with it as listed.				
E. Peripheral Devices				
<u>Summary</u>				
1. Total number of printers in place:	40	9		60
Locations:	Court House, RJC, ICTS and Storefronts, Airport, OMU, Metro	Airport Admin, Airport Maintenance, Airport Police	All at 900 Oakesdale Ave. SW	Key Tower, Admin Building, Courthouse, 7300 Building, Kent Animal Shelter, Greybar Building
2. Total number of scanners in place:	40	1	1	20
Locations:	Court House, RJC, ICTS and Storefronts, Airport, OMU, Metro	Airport Admin	All at 900 Oakesdale Ave. SW	Key Tower, Courthouse, Admin Building, 7300 Building



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3. Total number of fax machines in place:	15	1	10	30
Locations:	Court House, RJC, ICTS and Storefronts, Airport, OMU, Metro	Airport Admin	All at 900 Oakesdale Ave. SW	Key Tower, Courthouse, Admin Building, 7300 Building, Kent Animal Shelter, Greybar Building
4. Total number of modems in place:	?		1	10
Locations:			900 Oakesdale Ave. SW, Server Room	Key Tower, Admin Building, Courthouse
<u>Detail</u>				
1. List each peripheral device in place at your agency and provide information associated with it as listed on the attached word document.				
F. Workstations				
<u>Summary</u>				
1. Number of workstations in place within your agency:		48		650
2. For each type of the workstations utilized, please provide the following quantity, type, number per year that are anticipated to be replaced, and the operating systems.				
Quantity	580	2	370	640
Type	Laptops	P133	Generic	Intel Pentium
Anticipated replacement quantity for 2002	223	2	130 (M/B-CPU Upgrade only)	50
Anticipated replacement quantity for 2003	222		185 (CPU only)	60
Anticipated replacement quantity for 2004	215			60
Operating system	98	Win NT 4.0	Win 98	Windows
Quantity	429	1	39 - Laptops	10
Type	Desktops	PII 233		Macintosh
Anticipated replacement quantity for 2002			15	0
Anticipated replacement quantity for 2003		1	0	0
Anticipated replacement quantity for 2004			29	0



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Operating system	98, NT, 2000	Win NT 4.0		MAC OS
Quantity		2		
Type		PII 333		
Anticipated replacement quantity for 2002				
Anticipated replacement quantity for 2003		2		
Anticipated replacement quantity for 2004				
Operating system		Win NT 4.0		
<u>Detail</u>				
1. For each of the workstations, provide the information requested on the attached word document.				
G. Electronics				
<u>Summary</u>				
1. What LAN network topologies are un use for servers and desktops?				
10Mb Shared Ethernet	Desktops		Desktops	Desktops, Servers
100Mb Shared Ethernet	Desktops	Desktops		Desktops, Servers
100Mb Switched Ethernet	Desktops/Servers			Desktops, Servers
1000Mb Switched Ethernet				Servers
ATM	Servers			
FDDI				Servers
4Mb Token Ring				
16Mb Token Ring				
3270 Legacy Systems				Desktops, Servers
2. What WAN topologies are in use?				
Frame Relay	Yes			Yes
Point to Point (HDLC or PPP)	Yes	Yes		Yes
ATM	Yes			Yes
FDDI				Yes
VPN	Yes	Yes	Yes	Yes



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H. Wireless				
<u>Summary</u>				
1. Are any wireless LANs being used or in process of deployment?	No	No	No	No
2. Are any mobile data terminals being used or in process of deployment?	Yes	Yes	Yes	Yes
3. Are any mobile data faxes being used or in process of deployment?	No	No	No	No
4. Are radio systems in place?	Yes	No	No	Yes
Are radio systems shared between departments or standalone?				King County is part of a Countywide consortium that operates an 800 MHz trunked radio system for all public safety and public service agencies in the county. This system is described in an overview informational package that is included in the set of documentation being compiled for the consultants. The original business case for the radio system was that the large number of non-compatible and aging systems that were in use at the time were complicating service delivery in the field. This was primarily in public safety situations, but other public services were also experiencing difficulties with effective communications in the field. The regional trunked system was developed to meet a variety of business needs including coverage, capacity, compatibility, cost containment, reliability, etc. Numerous agencies are interested in "wireless" for numerous reasons, including (1) getting their mobile workforce connected to in-house data and systems, (2) improving the effectiveness and safety of mobile workers, (3) getting currently office-bound workers more mobile, and (4) allowing constituents wireless access to on-line government services when they are offered. There are no specifically proposed wireless application projects in DIAS right now, but ITS is anxious to work with other agencies to develop strategies for implementing



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				wireless applications that meet collective needs. There is a strong feeling that the real drive for "wireless" needs to come from the application side of the equation, but there may also be the need to create a "launch point" to get folks thinking more about wireless functionality in their business. ITS is considering initiating an effort to provide wireless-optimized access to the Intranet, the county's E-Mail system, and the Internet, so that agencies can start to use it more in their normal work and start to build their understanding and comfort with "wireless" data.
What was/is the business case for radio systems deployment for each department/division?	Police dispatch, warrant checks			
5. List any proposed/upcoming wireless applications.	Want to used wireless access to check WASIC and NCIC			
6. Is there an individual responsible for wireless applications?	No	No	No	No
If yes, describe that individual's duties and responsibilities.				While no specific person is assigned to this responsibility, we have several of our ITS staff engaged in monitoring the "wireless" world and developing knowledge and understanding to be prepared to work with client agencies as wireless application initiatives develop.
<u>Detail</u>				
Detail to be submitted via the attached word document for wireless applications, data terminals, fax devices, and radio systems.				
I. Physical Layout				
<u>Summary</u>				
1. What is the square footage allocated to your agency's network closet?	56	10 feet x 5 feet	Computer Room 300 sqft; Server Room 150 sqft	1500



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2. Does the physical layout include:				
Dedicated lights	No	No	Yes	Yes
Dedicated HVAC	No	Yes	No	Yes
UPS Power	Yes	Yes	Yes	Yes
If yes, what duration for 75%	10 minutes	25%		30 Minutes
Dedicated Ground	No	Yes	Yes	Yes
If dedicated, is it #6 AWG or greater?	No	No		Yes
Seismic bracking	No	Yes	No	Yes
Physical security	Yes	Yes	Yes	Yes
Dedicated closet	Yes	Yes	Yes	Yes
II. Operating Systems				
Summary				
1. Indicate which operating systems are in use within your agency, and the number of computers utilizing each operating system.				
Windows 95				
Number of servers			0	0
Number of workstations			0	50
Windows 98				
Number of servers			0	0
Number of workstations		3	361, plus 39 laptops	50
Windows NT				
Number of servers	20	2	4	50
Number of workstations		30	1	300
Windows ME				
Number of servers			0	0
Number of workstations			2	0
Windows 2000				
Number of servers		1	1	10
Number of workstations		8	6	200
Windows XP				
Number of servers			0	0
Number of workstations			0	50



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Macintosh version 8.0 or newer				
Number of servers			0	0
Number of workstations			0	8
Macintosh older than version 8.0				
Number of servers			0	0
Number of workstations			0	0
If others, please specify.				
III. Software/Applications				
<u>Summary</u>				
1. Which report writers does your agency utilize?				
Crystal	Yes		Yes	Yes
Access	Yes	Yes	Yes	Yes
Excel		Yes	Yes	Yes
FRx				
Other				
If other, please specify.				
<u>Detail</u>				
1. For each major application in use, provide the information requested on the attached word document.				
2. What major systems and data are interfaced? (Attached word document)				
IV. Backup Processes				
<u>Summary</u>				
1. Are backups for all systems conducted regularly?	Yes	Yes	Yes	Yes
If no, which systems are not backed up regularly and why?				
2. Have there been backup failures?	Yes	No	No	Yes
Describe.				Occasional hardware failures; tape failures, or connectivity failures have prevented backups from running or completing.



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3. How long are backups retained?	3 months			Varies depending upon system being backed up.
Describe any key issues/challenges related to existing backup processes.	Problems/issues resolved			Speed and reliability of tape systems and volume data versus capacity and speed of hardware.
<u>Detail</u>				
1. Backup software:	Backup Executive	Tivoli System Manager and Arcserve	Backup Exec	TSM, Veritas
2. Backup hardware:	DLT	DLT	HP Surestore	IB< Mainframe, various tape systems
3. Schedule for full backups:	Weekly	Friday	Monthly	Varies
4. Schedule for incremental backups:	Daily	Monday-Thursday	Daily	Varies
5. Backup media:	DAT4		DAT	Tape
6. Is off-site media storage used?	Yes	Yes	Yes	Yes
7. Who manages off-site data storage?	Own organization		Eric Manson, LAN Administrator	Outsourced to Blue Mountain
<u>V. Internet</u>				
<u>Summary</u>				
1. How many staff have Internet access?	All (1245)	All employees have internet access	All	All
2. Describe any key issues/challenges/problems related to existing Internet capabilities.	Downloading unsupported software, virus		User abuse - downloading unauthorized files and programs.	See Technology Survey - Internet section
<u>Detail (DIAS Only)</u>				
1. Internet service provided by:				King County
2. Type of Internet access connection:				WAN
3. Speed/Bandwidth:				Will be provided 12/14/01
4. Content maintenance provided by:				King County/ITS
5. Email hosting provided by:				King County/ITS
6. Firewall/Security system brand:				Will be provided 12/14/01
7. Firewall/Security system location:				Will be provided 12/14/01



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8. Who is responsible for Internet security? (Internal/external resource)				ITS
9. What training has the staff responsible for Internet security received in Internet security systems? (Describe)				Will be provided 12/14/01
10. Is DHCP performed?				Yes
If yes, is it centralized or distributed? (Select one)				Centralized
11. Is Internet caching performed?				Yes
If yes, is it centralized or distributed? (Select one)				Centralized
VI. Staffing				
A. Skills				
Summary				
1. How many staff support IT in your agency?	14	45-1	10	See Technology Staffing section of technology survey
List staff titles.	Wan Administrator, Micro Computer Specialist, Help Desk Coordinator, Trainer, Help Desk Technician, IRIS Administrator, Systems Admin.		1 Program Analyst IV, 1 LAN Administrator, 2 Microcomputer Specialist, 5 Computer Technology Specialists	All staff are information systems analysts
Detail				
For each of the staff titles with technology responsibilities, indicate what percent of their time is spent on each of the functions identified.				
VII. Telephony - (DIAS Only)				
Summary				
1. Does your agency have a dedicated voice cable network?				No
If no, is cabling shared with other data networks?				Yes
If yes, what type of cabling is used? (select one)				4 Pair
2. How is cabling run? (select one)				Direct to closets



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3. Describe any key issues / challenges related to existing phone systems:				<p>King County has a very large voice network, which is complicated to administer and maintain because of the diversity of equipment. The network is 18 NEC PBXs, 6 NEC DRUs, 1 Nortel Option 11 and 6 Fujitsu PBXs which hub to a IMX2400 located at 201 S Jackson St, Seattle and 3 Nortel Options 61s, 12 Nortel Option 11s, 4 Remotes, 8 Norstar ICS, several Norstar DR5 key systems and over 6,700 Centrex lines. Currently King County's ITS Division supports the County's voice communications, voicemail systems, wireless phones and pager services. All Centrex and NEC end users utilize a County owned voice mail service called Digital Sound VS2110. There are over 7,200 users on this system. After 2004, the Digital Sound system no longer will be vendor supported. Consequently, King County will need to migrate to another voice mail system. All other King County end users utilize the Nortel PBXs Meridian Mail. Meridian Mail supports eight sites for the County's Department of Development and Environmental Services (DDES), 1 site at Precinct 2 in Bothell, and a number of stand alone County voice mail systems. The Norstar ICSs has Norstar Voice Mail, which cannot be integrated. The 2,322 wireless phones are contracted out to AT&T Wireless, AirTouch, and Nextel. The pager providers are MetroCall, which supports approximately 2,700 pagers, and Cook Paging which supports approximately 1,100 pagers. ITS is currently doing a broad analysis of the County's telecommunications systems to develop a comprehensive telecommunications plan to provide King County with stable, predictable and affordable telephony service for the next five years.</p>



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<u>Detail</u>				
Provide the following information about your agency's phone system:				
1. Phone system used:				See above
2. Connection lines:				
3. Voice mail system:				All Centrex and NEC end users utilize a County owned voice mail service called Digital Sound VS2110. There are over 7,200 users on this system. All other King County end users utilize the Nortel PBXs Meridian Mail. Meridian Mail supports eight sites for the County's Department of Development and Environmental Services (DDES), 1 site at Precinct 2 in Bothell, and a number of stand alone County voice mail systems. The Norstar ICSs has Norstar Voice Mail.
4. Vendor:				Various
5. Date of install:				Various
6. Support agreement available?				
7. Support agreement in place?				
8. Is VoData being used (VoIP, VoATM, VoHDL)?				No
9. Is the voice mail system centrally managed?				Yes
10. Manufacturer:				
11. Model:				
12. Software release:				
13. Number of lines:				
14. Network connection (e.g., T1, point-to-point, switched)				

